

**2013 MnROAD Reconstruction  
Engineer's Update  
For the Week of June 10, 2013**

Cell 40 was paved on Monday, June 10, 2013. The fabric was cut to fit inside the paver tracks to prevent tearing. The edge pieces will be replaced and overlapped prior to shoulder placement. The first cement truck arrived at 9:15 a.m. Air entrainment additive was added to achieve the required air content. A longitudinal surface texture was achieved by dragging artificial turf followed by metal tines. Paving was completed at 1:30 p.m. Joint sawing was completed later Monday evening.



Cell 40 Paving (Foreground: Astroturf + Tining Texture; Background: Curing Compound)

Sensor installation continued in Cells 60-63 on Tuesday and Wednesday.

Cells 60-63 were paved on Thursday, June 13, 2013. The first cement truck arrived at 9:05 a.m. A portion of the mix was discarded due to fiber segregation. The paver began moving at 9:27 a.m. At 9:45 the existing bituminous surface required cooling to prevent premature curing of the concrete. A water truck and hose sprayers were used during remainder of the paving job to cool the bituminous surface. Surface texture was achieved on the new pavement with a transverse-sweeping broom. Paving was completed at 3:00 p.m. Sawing was completed later Thursday evening.



Cells 60-63 Paving (Transverse Broom Texture)

The aggregate base in the driving lane of Cell 13 was trimmed on Friday, June 14 and sensor installation began. The driving lane of Cell 13 will be available for field testing through Wednesday, June 19. Researchers who are planning field testing are requested to send their testing schedules to Bruce Tanquist so activities can be coordinated with sensor installation. Due to sensor installation logistics, the passing lane will not be trimmed until just prior to paving. The passing lane will not be available for field testing.

Cell 13 Paving is expected to begin the morning of Thursday, June 20. A mix with 75% recycled concrete aggregate is planned. The preformed neoprene joint sealant will also arrive that week. Representatives from the manufacturer, DS Brown, will be present to assist Superior Sawing and Sealing with installation.

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